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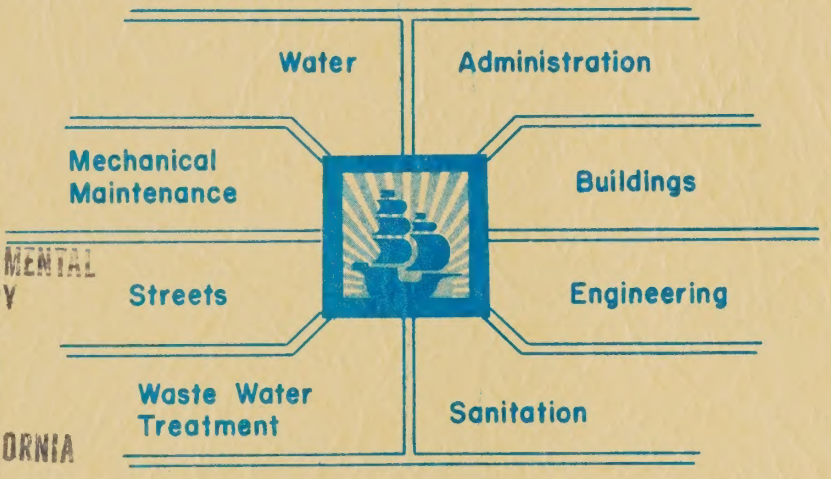
1981-1982

Department of
Public Works



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1981-82
Annual Report

City of Santa Maria

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Public Works Department

October 1, 1982

Mr. Robert F. Grogan
City Administrator
City of Santa Maria
110 East Cook Street
Santa Maria, CA 93454

Dear Bob:

It is with a great deal of pleasure that this fiscal year report for 1981-82, which is the twelfth in a continuing series of this type, is transmitted. Contained in this report for recordation are the significant departmental activities which have occurred during this time period.

We have attempted to include in this report material of statistical and historical value, as well as information of personal interest.

It is appropriate here to express our gratitude to the rest of the City staff for the cooperation and assistance which contributed to our departmental accomplishments. We are even more grateful for the sympathy and understanding that was received for our failures. We look forward to the continuing opportunity to make a contribution toward the total City government's service to its community.

Very truly yours,

Reese N. Riddiough

REESE N. RIDDIOUGH
Director of Public Works

A 0183
1981/1982

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CITY COUNCIL

George Hobbs, Jr.	Mayor
Jack Adam	Mayor Pro Tempore
Donald Shaw	Councilman
Allen Burke	Councilman
Toru Miyoshi	Councilman

ELECTED OFFICIALS

Dorthy S. Lyman	City Clerk
William W. Winter	Treasurer

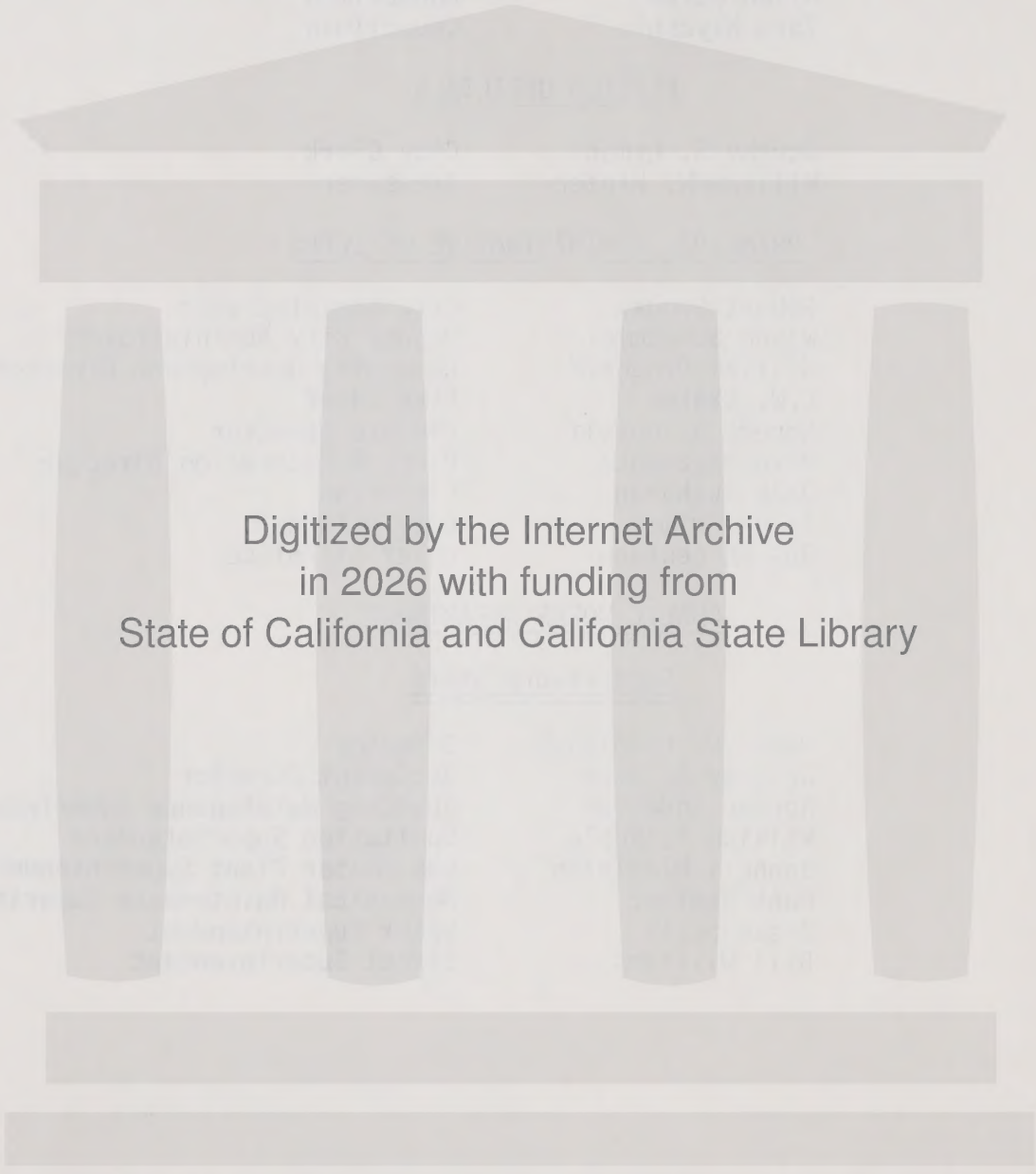
PRINCIPAL ADMINISTRATIVE OFFICERS

Robert Grogan	City Administrator
Wayne Schwammel	Deputy City Administrator
William Orndorff	Community Development Director
C.W. Crakes	Fire Chief
Robert S. Hossli	Finance Director
Mike Maramonte	Parks & Recreation Director
Jack Buchanan	Librarian
Allen Grimes	City Attorney
Joseph Centeno	Chief of Police

PUBLIC WORKS DEPARTMENT

Supervisory Staff

Reese N. Riddiough	Director
Jeffrey S. Sinn	Assistant Director
Norman Anderson	Building Maintenance Superintendent
William F. Noble	Sanitation Superintendent
Bennett Middleton	Wastewater Plant Superintendent
Hank Ramirez	Mechanical Maintenance Superintendent
Jesse Smith	Water Superintendent
Bill Williams	Street Superintendent



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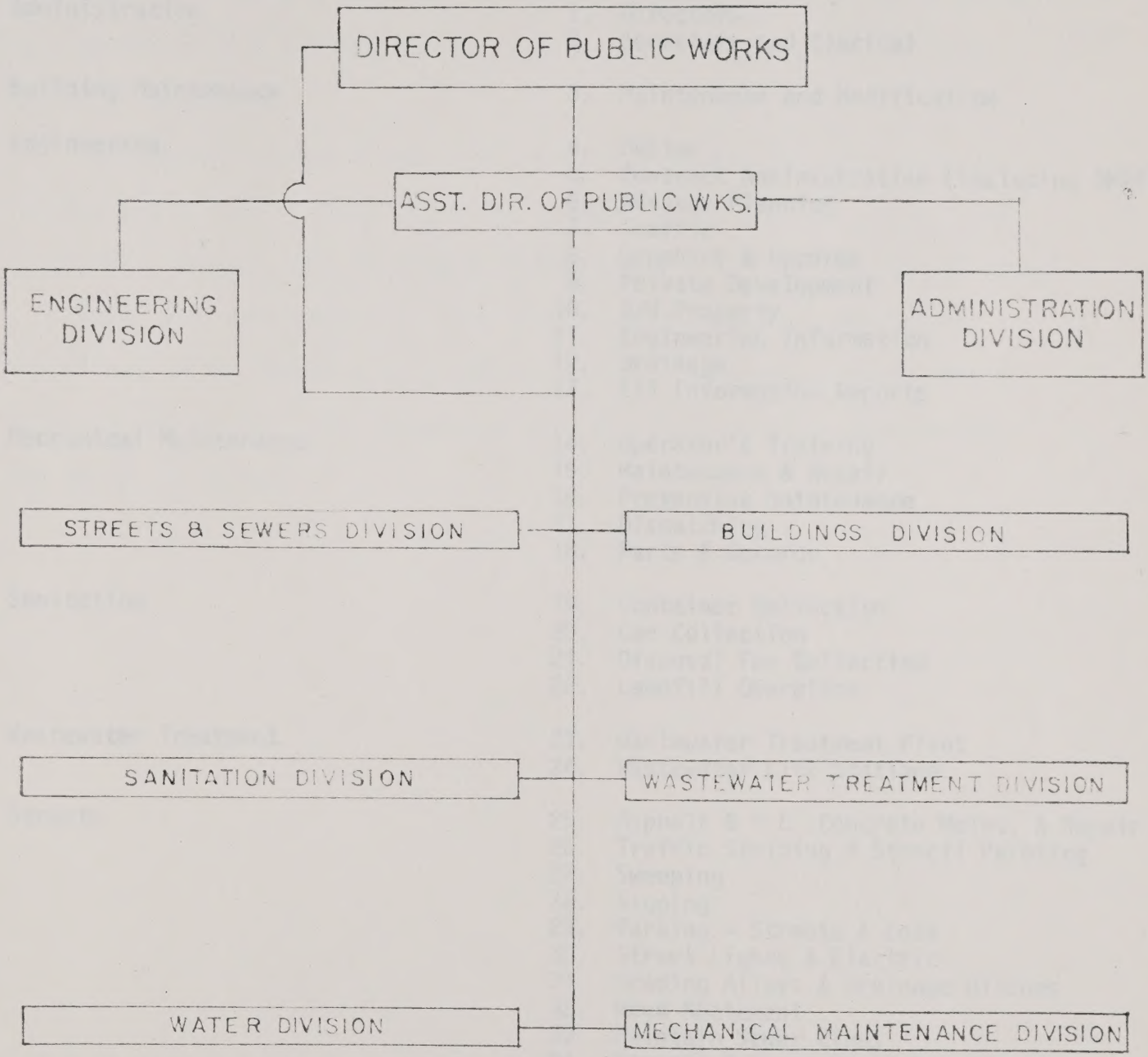
ORGANIZATION CHART
EXISTING 1981-82

PUBLIC WORKS



DIVISION ACTIVITIES

The thirty-six (36) functional activities of the department are assigned to one of eight divisions. Highlights of the past year regarding each of these divisions are summarized in this report.

Division	Functional Activities
Administration	1. Directors 2. Secretary and Clerical
Building Maintenance	3. Maintenance and Modification
Engineering	4. Design 5. Contract Administration (including SMAT) 6. Advance Planning 7. Traffic 8. Graphics & Records 9. Private Development 10. R/W Property 11. Engineering Information 12. Drainage 13. EIR Information Reports
Mechanical Maintenance	14. Operator's Training 15. Maintenance & Repair 16. Preventive Maintenance 17. Dispatching 18. Parts & Records
Sanitation	19. Container Collection 20. Can Collection 21. Disposal Fee Collection 22. Landfill Operation
Wastewater Treatment	23. Wastewater Treatment Plant 24. Wastewater Lift Stations
Streets	25. Asphalt & P.C. Concrete Maint. & Repair 26. Traffic Striping & Stencil Painting 27. Sweeping 28. Signing 29. Parking - Streets & Lots 30. Street Lights & Electric 31. Grading Alleys & Drainage Ditches 32. Weed Abatement 33. Maintain Sewer Lines 34. Stowell & Santa Maria Town Centers
Water	35. Production 36. Distribution

ADMINISTRATION

This division is responsible for administrative and clerical support of all activities of the Public Works Department, including coordination of program planning, budget preparation and control, personnel, supervisory training, administrative reports, maintenance of engineering records and investigation of complaints.

The only additional change this fiscal year is the implementation of a running log of all incoming complaints handled by the clerical staff. Some complaints, however, are not logged if the supervisors take the call directly.

Total amount collected for both concrete and excavation permits for fiscal year 81-82 amounted to $4,998.00. Total street encroachment permits issued by the Public Works Department were 80, three of which were voided and two at no charge.

ADMINISTRATION DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

EXISTING 1981-82

DIRECTOR OF PUBLIC WORKS (1)

REESE RIDDIOUGH

ASSISTANT DIRECTOR (1)

JEFF SINN

SECRETARIAL AND CLERICAL SERVICES

SECRETARY II (1)

KATHY ALBRIGHT

STENO CLERK II (1)

WENDY HOLLING

CLERK TYPIST I *

* PART TIME

BUILDING MAINTENANCE DIVISION

The Building Maintenance Division has the responsibility for maintenance and modification of Public Works Center, City Hall, Library, Police Department, the Broadway-McClelland modulars and advisory and modification responsibility on Recreation and Parks Department and Fire Department units. These tasks involve all functions connected in the modification, operation and upkeep of all City buildings within the realm of skills and capabilities of this division.

The tasks completed this last fiscal year totaled as follows:

Material and contract service - $26,148.29 of which $5,104.95 was contract services and $6,001.76 in materials for new work; 13,923 man hours of which 346 hours were furnished by other departments and work aide hours.

Highlites of work assignments for fiscal year 1980-81 were as follows:

1. Remodel of Naval Reserve Building (new work which utilized 8% of available man hours).

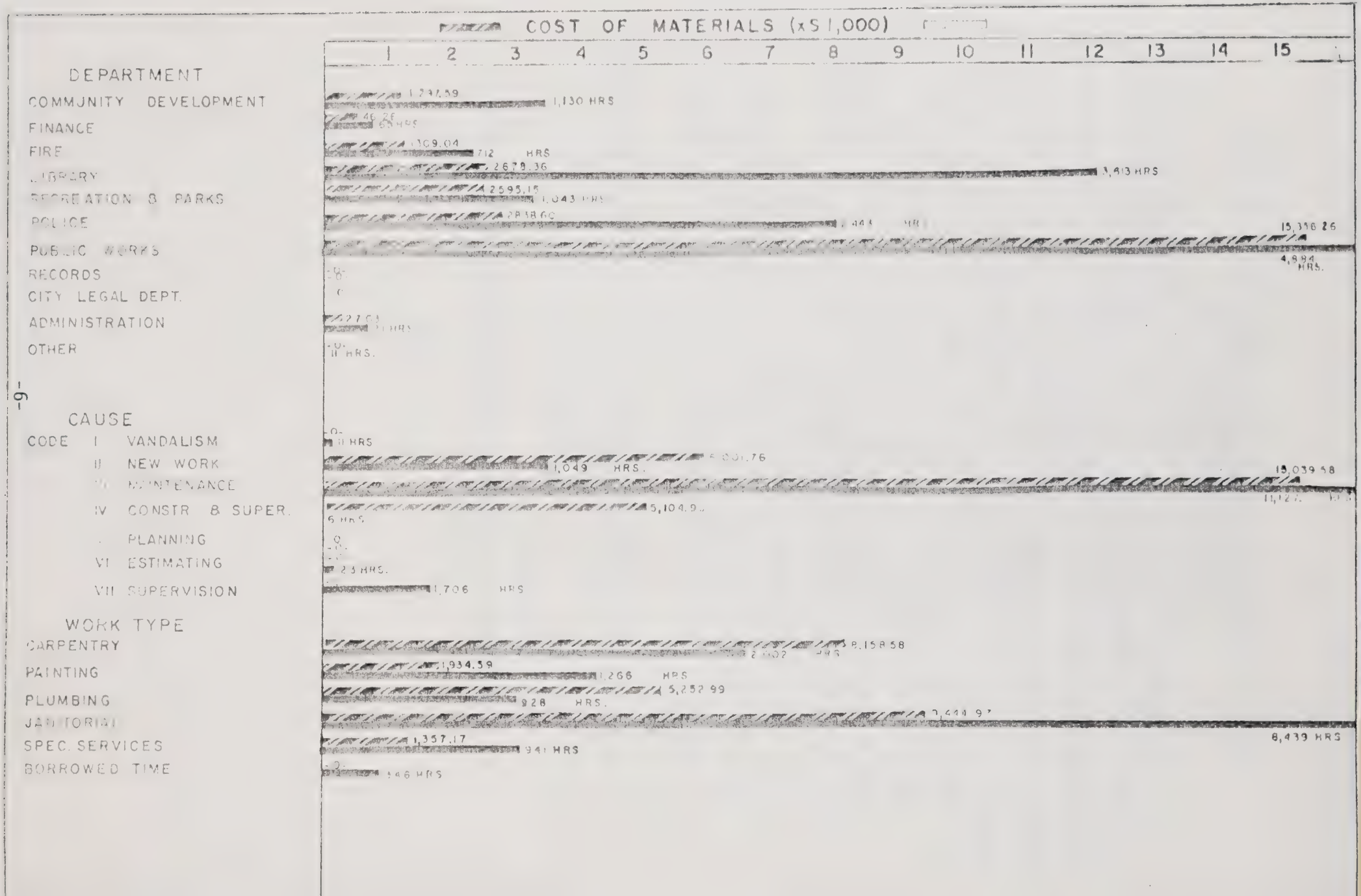
2. Remaining 92% of available man hours went to maintenance and upkeep of existing facilities.

    a. 61% janitorial

    b. 31% skilled maintenance (carpentry, painting, plumbing).

BUILDING MAINTENANCE - CITY REPORT

1981 - 1982



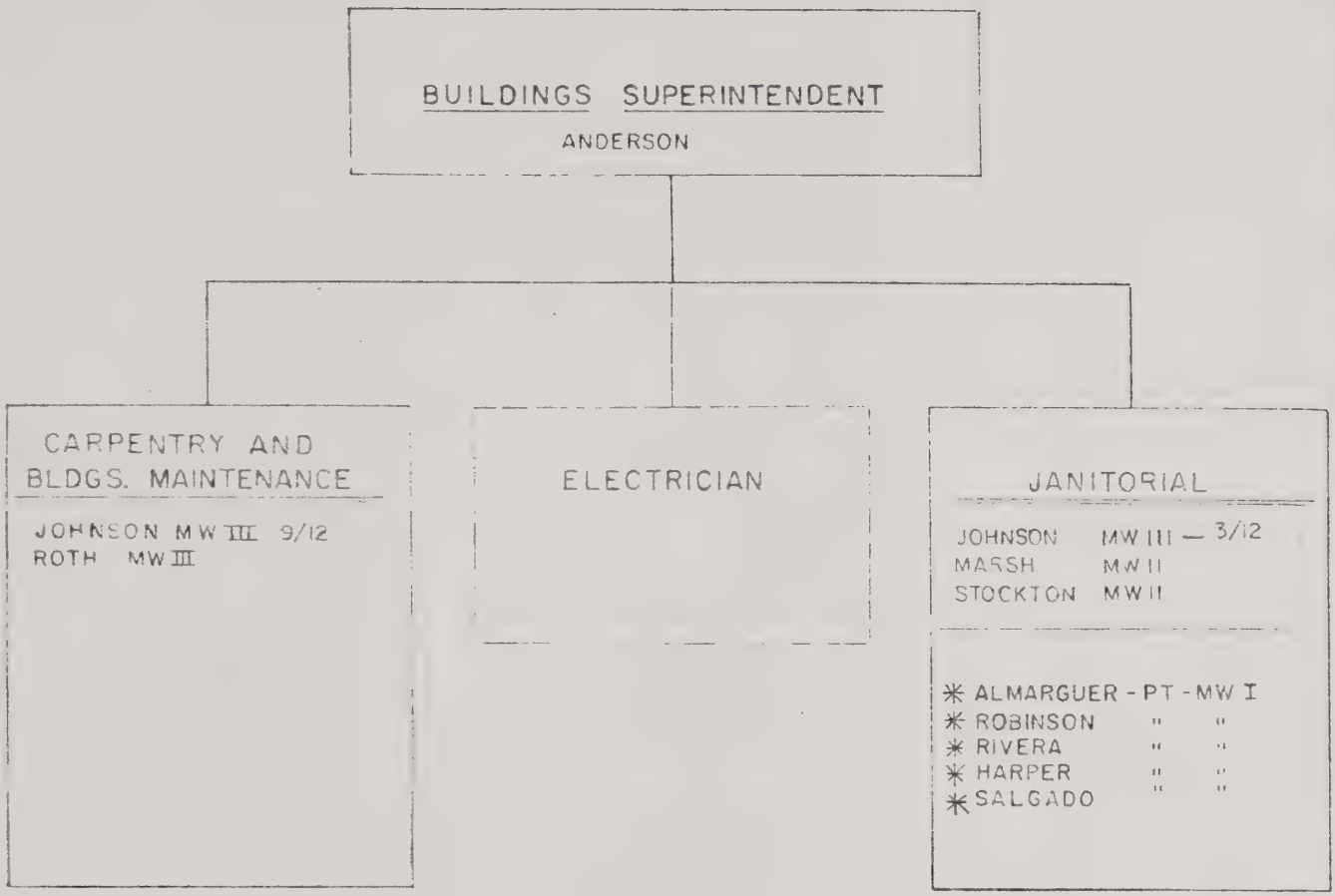
BUILDINGS DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)



* FULL PART TIME

ENGINEERING DIVISION

The major construction project for the past fiscal year was the completion of the $8 million expansion of the Wastewater Treatment and Disposal facilities on Black Road. The facility had its grand opening on June 9, 1982 but work on minor punch list items will extend the formal acceptance until early fall.

Other significant projects include the modification of the central water control panel in the Public Works Administration building, the replacement of the final section of techite water pipe, and the installation of a storm drain on Broadway and Camino Colegio which virtually eliminated the flooding problems at Stowell and Broadway. Also several major water line and street improvement projects were completed as well as the annual street maintenance contract.

As in recent years, private development continued at a high level of activity, although tapering off some toward the end of the year. The only change in the personnel complement for the division (Plate I) was the hiring of an Engineering Aide to fill a vacancy created by a resignation the previous year.

The traffic safety study of North Broadway was completed during the fiscal year and a recommendation to install a two-way left turn lane will be sent to the City Council. The study of South Miller Street continued with a major improvement of installing a traffic signal at the Camino Colegio intersection in 1982-83. A review and input to traffic studies conducted by private Traffic Engineering consultants were made. Assistance was also provided to Santa Maria Area Transit in planning route changes, operations and input for the short range transit plan.

Plate 2 shows the major activities of this division, plus their respective approximate costs as a percentage of the total division salaries. Total includes regular salaries, overtime and part time salaries. This total was $245,487.70 for the fiscal year 1981-82.

Total authorized budget for this division for 1981-82 was $355,670. The total amount expended or encumbered was $349,146 or approximately 98.17% of the funds authorized.

Private development and subdivision activity, shown on plate 2, include the following:

1.	Building site reports for the permit application.		110
2.	Subdivision reports for Subdivision Committee meetings.		27
3.	Subdivisions recorded: New lots:	Residential:	262
		Commercial:	11
		Industrial:	35

Traffic Engineering and Traffic Committee activity shown on Plate 2 include the following:

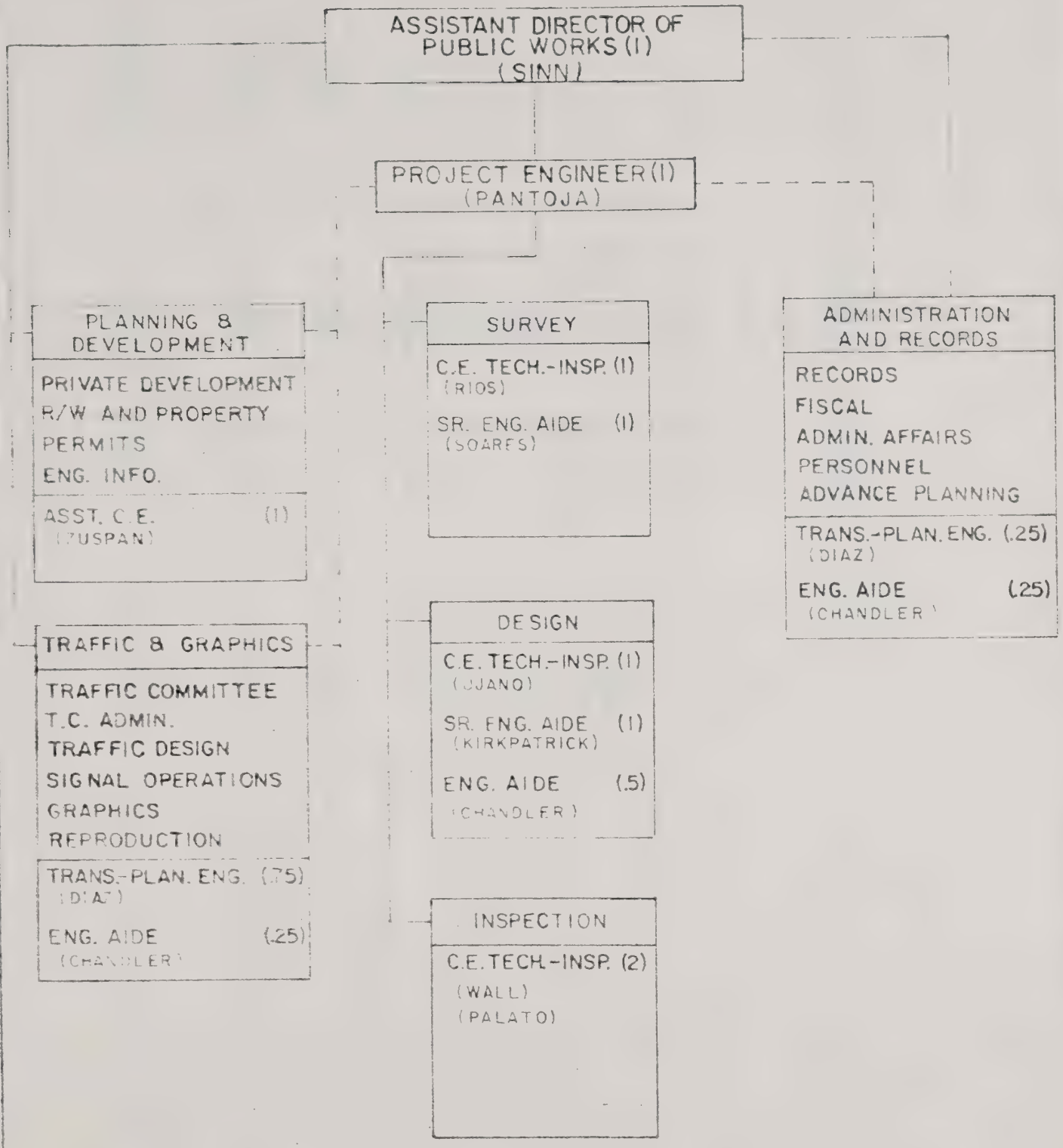
1.	Curb zone and parking investigation	12
2.	Speed zone studies	2
3.	Truck complaints	2
4.	Intersection studies	2
5.	Traffic signal studies	0
6.	Misc. traffic controls	32
7.	Traffic studies and reports	4
8.	Annual traffic count summary	
9.	Studies:	
	A. North Broadway, Fesler to Donovan	
	B. Miller Street, Morrison to Stowell Road	

Current engineering projects, shown on Plate 3, include any project accepted as complete by the City Council during the past year. These projects, prior to construction phase, had a set of plans and specifications prepared or reviewed by this division. Facts included on Plate 3 are the final contract amount, dates of Council award and final acceptance, and the percentage of engineering cost for the entire project based on the final contract price.

As recorded by this office, rainfall for the 1981-82 season was 13.69 inches which is slightly over the average of 13.66 inches for the City.

ORGANIZATION CHART
EXISTING 1981-82

ENGINEERING DIVISION



- PLATE 1 -

REVISED PLATE A-279

ENGINEERING DIVISION

Fiscal Year Salary Expenditure (1981-82)

Percentage*	Activity Classification
23.96	Private Development, Subdivisions, Public Inquiries
33.13	Current Engineering projects; design and construction
13.08	Non-productive (meetings, holidays, vacation, sick leave)
6.43	Information and records
3.57	Advance planning, annexations, engineering studies, underground distribution, microfilming
8.09	Support services (for City departments & divisions)
7.88	Traffic engineering and traffic committee
3.86	Administrative services, gas tax reports, 5870 proceedings
100.00%	

* Percent of total salaries

Total salaries include regular salaries, over time and part time

1981-82 total: $245,487.70

PLATE 2

ENGINEERING DIVISION
PLATE 3
FISCAL YEAR ENGINEERING PROJECTS

(Project Construction Started and/or Completed;
7/1/81 to 6/30/82)

Bid No.	Project Description	Final Cont. Cost	Council Award	Council Acceptance	Percent Eng. Cost/Project	Contractor
	CITY PROJECTS					
80/10	Central Water Control Panel Modifications for the City of Santa Maria	$ 34,955.00	04/01/82	05/04/82	0.24%	Envirotech Corp/ Sparking Division
81/2	Renovate Wet Well @ Blosser Sewer Lift Station	$ 49,506.74	09/02/80	07/21/81	1.38%	J.B. Kies, Inc.
81/7	1980 Signal & Lighting Project Betteravia/Blosser, Skyway/Fairway & Miller/Stowell	$225,138.35	02/17/81	08/04/81	3.98%	Lee Wilson Electric
81/9	Morrison Ave. & Fesler St. Reconst.	$183,426.00	04/21/81	09/14/81	1.43%	A.J. Diani Const. Co.
81/11	Parking Lot #1, Westside Revit. Proj.	$127,818.18	05/05/81	10/05/81	2.05%	A.J. Diani Const. Co.
81/12	Thornburg St. Ext.-Betteravia Rd. to Carmen Ln.	$212,381.14	06/02/81	06/22/82	5.56%	A.J. Diani Const. Co.
81/13	Replace 20" Techite W/L in McCoy Ln.	$173,636.43	06/02/81	03/16/82	1.23%	Jamieson Const. Co.
82/1	Street Maintenance 1981	$280,158.06	08/18/81	10/26/81	0.13%	M.J. Hermreck
82/2	Seal Coat Application @ Santa Maria Town Center Mall	$ 14,859.00	08/18/81	02/16/82	0.73%	Valley Slurry Seal Co.
82/3	Camino Colegio Storm Drain - Stowell Rd. to Miller St.	$275,363.53	09/01/81	06/22/82	3.18%	J.B. Kies, Inc.
82/4	Chain Link Fence Project 1981	$ 15,202.50	09/15/81	12/15/81	8.67%	Fence Installation Co.
82/5	St. Improvement Project - 1981	$164,451.00	01/05/82	07/20/82	6.13%	A.J. Diani Const. Co.
82/6	Manhole Reconstruction - 1981	$ 21,668.00	12/15/81	02/16/82	2.90%	Conco Engineering, Inc.
82/7	Chemical Weed Abatement 1981-82	$ 11,027.49	01/05/82	04/20/82	0.05%	Frank J. Olocco

MECHANICAL MAINTENANCE DIVISION

This division is responsible for the management of the City's entire fleet of vehicles and other similar equipment. The mobile and stationary fleet has approximately 230 pieces of gasoline and diesel powered equipment of various sizes and types. The major portion consists of passenger vehicles and trucks, the remainder includes miscellaneous power equipment from lawn edgers to a Caterpillar D-8 bulldozers.

The maintenance program includes "in-house" minor and major engine repairs, tune-ups, general repairs, metal fabrication, minor body repairs, brake repairs, tire repairs, lubrication, and an effective preventive maintenance program. An analysis is performed on each job to assure best over-all economy and safety. This has resulted in operating the division with a minimum dollar budget. This division is unique in that it operates as a "pool" rental system for all the mechanical equipment used by all the departments and divisions and entails the development of the specifications for purchasing of same; keeps detailed records for equipment cost analysis and setting of the rental rates for vehicles as well as the City radio communication units.

During the fiscal year, fleet vehicles traveled 1,294,994 miles, an increase of 17.2% from last year, using some 210,790 gallons of fuel, an increase of 12.7% from last year. Service fuel delivery tickets used during this period were 14,705.

The division used 2,085 shop repair orders. This is a decrease of 170 over that used last year.

The division used 30.0 man-hours to assist the other City departments on specialized projects such as fabrication and welding. The cost of personnel, equipment, and material for this service is reimbursed through "Inter-departmental" billing.

A budget balance is sustained through revenue from the Pool Rental Program and other reimbursements, as follows:

a)	Assigned and unassigned vehicles	$1,352,300
b)	Private party accident insurance	500
c)	Sale of surplus vehicles and equipment	12,000
d)	State of California gasoline road tax rebate	1,000
e)	Services provided to other agencies	10,000
		$1,375,800

Santa Maria Police Patrol and Santa Maria Area Transit accounted for the majority of increased miles traveled. Santa Maria Police Patrol added seven patrol units, bringing their patrol fleet (black and white) to fourteen (14). SMAT added three specially modified mini buses, two of which are assigned to fixed route service. All three buses are equipped for handicapped service. Patrol units are averaging 2,350 miles each per month while fixed route buses (4) are averaging 3,700 miles each per month. The SMAT bus fleet now total nine (9) units.

A major unscheduled replacement occurred when the D8K bulldozer was lost due to a fire that broke out at the landfill on December 26, 1981. The 1975 Cat was two years into 'hold-over' status. The undercarriage and final drives were nearly due for major overhaul when the tractor was ruined by the fire. A 1980 model D8K with less than 1,200 operating hours was located and purchased through our local caterpillar dealer. The used tractor was sold to the City for $175,000.00, a savings of $125,000.00 had a new machine been purchased. The used unit was placed into service on January 26, 1982 at the landfill.

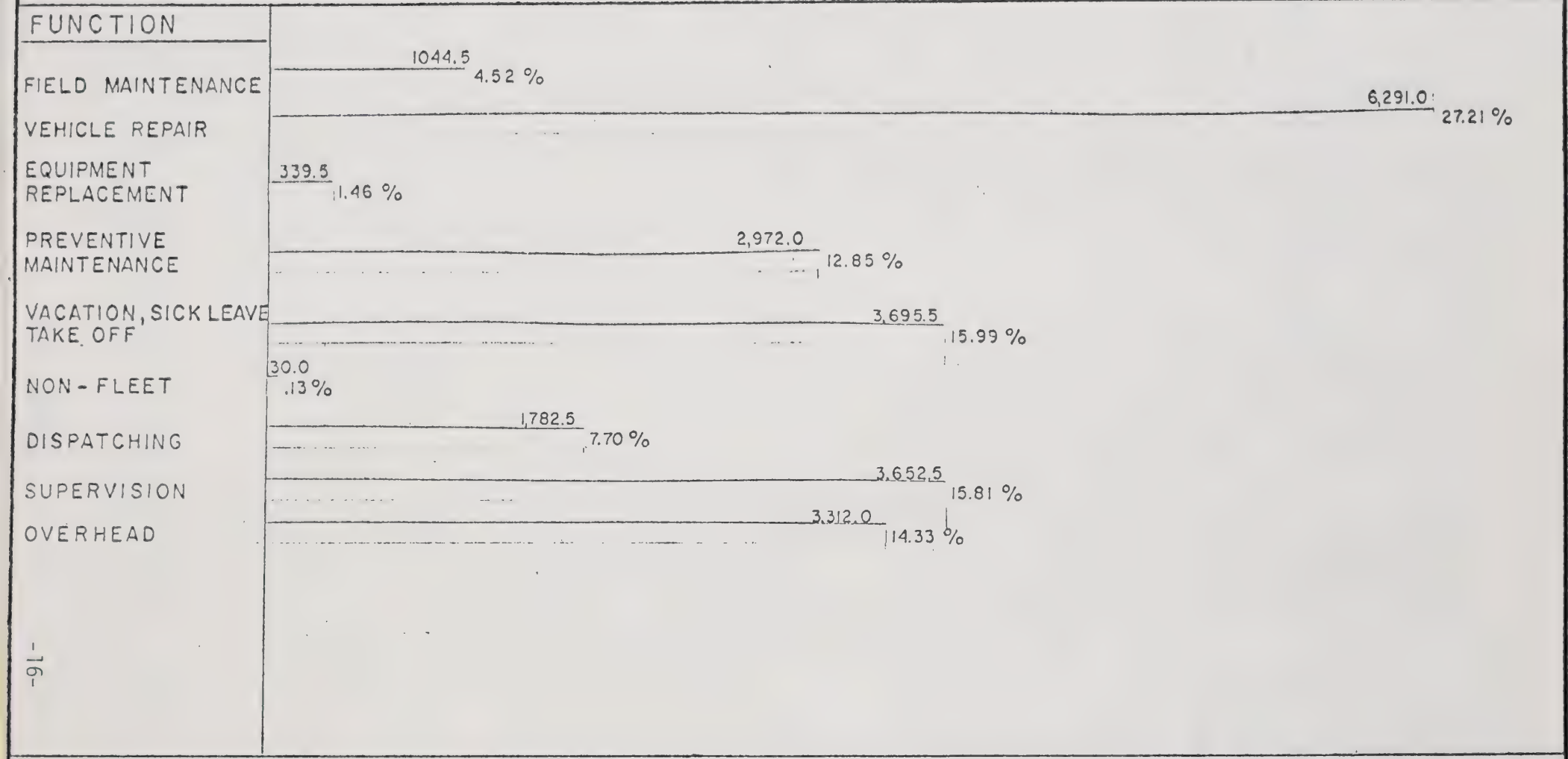
Pool aerial, hi-ranger #684, unit was completely overhauled, tested and certified by C-Tec, a factory authorized dealer in Los Angeles. The unit is a 1975 model of which the manufacturer recommends overhaul at six year intervals as per safety requirements. Cost of the overhaul was $12,000.00 and was an approved budgeted item.

A survey of the shop mechanic staffing acknowledged the need to increase Mechanic II staffing from two positions to three due to work load caused by

fleet growth in recent years. This is a promotional position and is included in the current Memorandum of Understanding.

Petroleum officials remind us that fuel supply shortages, although more irregular, will continue in the future. Therefore, this division will continue to seek fuel saving methods, i.e. down size replacements where possible; encourage fuel saving drivers' techniques (CAM 81-1); and investigate alternative fuels.

MECHANICAL MAINTENANCE
MAN HOUR CHART 1981-82



TOTAL MAN HOURS
23,119.5

REV. 8-82 P.J.C.

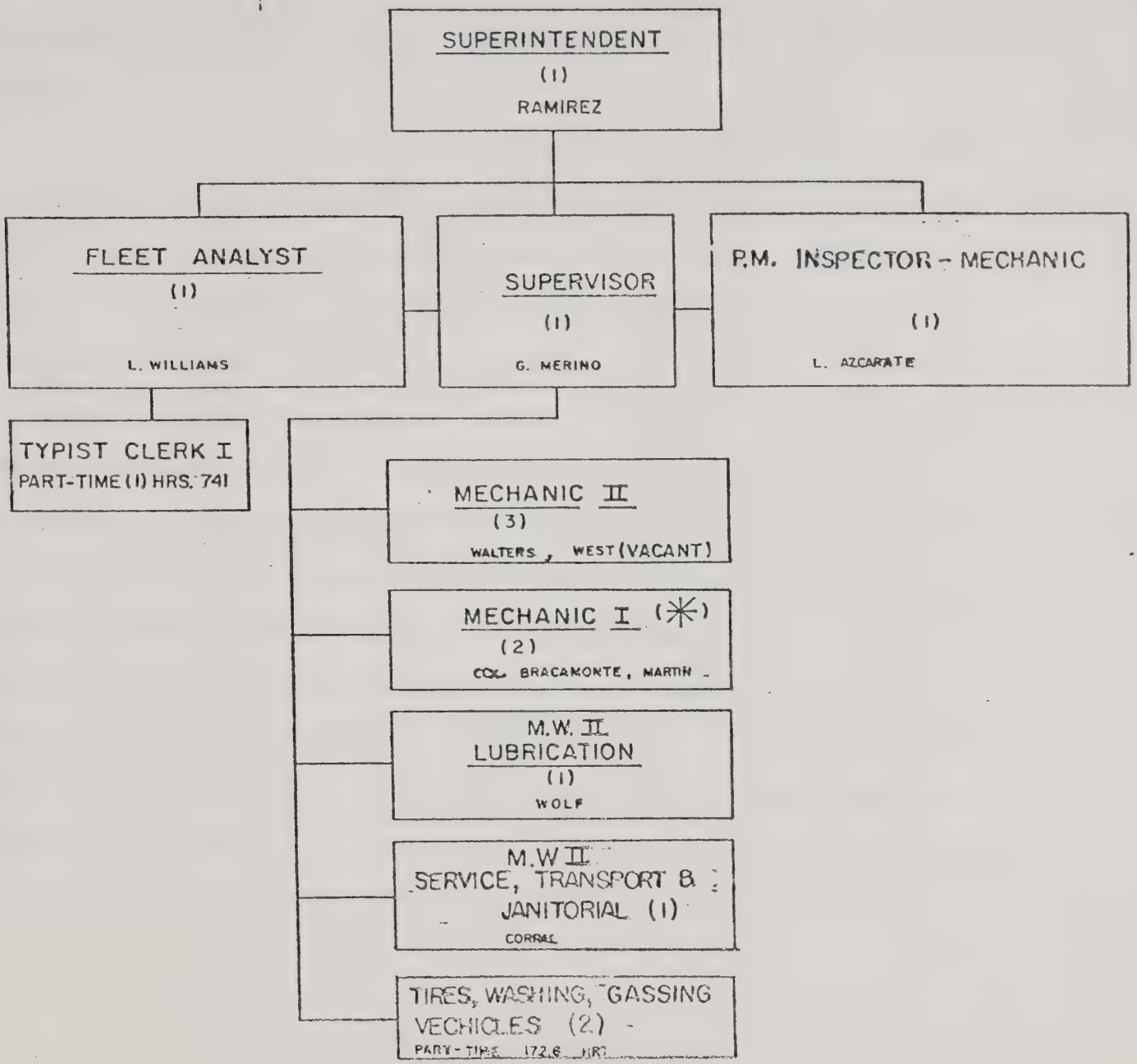
MECHANICAL MAINTENANCE DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)



(*) APPROVED PROMOTION TO MECH. II, ONE OF MECH. I'S LISTED ABOVE

SANITATION DIVISION

Collection

The collection section of the Sanitation Division is responsible for the collection of mixed refuse from approximately 10,293 residential and commercial accounts using City personnel and equipment. Residential refuse is collected twice each week and the commercial accounts are serviced from one to six times each week.

The collections are made by two residential rear loading crews and four side loader crews and the commercial accounts are picked up by three front loader drivers. Residents are still bundling and putting out for collection old newspapers. As of June 30, 1982, 294.21 tons have been collected by City crews since the program was initiated on February 1, 1974.

Shown in Figure "I" is a comparison of the number of miles traveled by all Sanitation Division trucks for each of the last ten years for the month of June of each year. The 1981 reduction in residential miles traveled is a result of districting of the City for collection purposes along with the balancing of all the collection routes, which was implemented June 2, 1980. The drop off in miles traveled in 1974 can be attributed to the energy shortage and a resultant change in operation. The increase in 1975 is caused by new construction and when the new scales were available early in 1975 the Highway Patrol pointed out, in the form of a warning, that some of our trucks were overloaded. As a result more trips were made to the landfill with lighter loads.

FIGURE I

NUMBER OF MILES TRAVELED

	Residential	Commercial	Total
June 1972	3,814	2,294	6,108
1973	3,718	2,390	6,108
1974	3,329	2,237	5,566
1975	3,566	2,415	5,981
1976	3,324	2,710	6,034
1977	3,444	2,492	5,936
1978	3,865	2,711	6,576
1979	3,429	2,699	6,128
1980	3,621	2,699	6,320
1981	3,124	2,758	5,882
1982	3,523	2,788	6,311

Figure "II" and "III" are the tabulations showing the number of accounts for the residential and commercial over the past ten years. A point to be noted is the 1979 account figures were taken from the number of water meters in the City which included accounts serviced by Health Sanitation Service. The 1980 accounts are actual per computer print out.

NUMBER OF RESIDENTIAL ACCOUNTS

June	1972	8,795
	1973	8,843
	1974	8,923
	1975	9,025
	1976	9,320
	1977	9,470
	1978	9,961
	1979	10,220
	1980	9,251
	1981	9,553
	1982	9,778

FIGURE "II"

NUMBER OF COMMERCIAL ACCOUNTS

June	1972	303
	1973	329
	1974	358
	1975	376
	1976	427
	1977	452
	1978	482
	1979	506
	1980	535
	1981	546
	1982	515

FIGURE "III"

Figure "IV" shows the total cubic yards hauled by front loaders over the past 10 year period for the month of June of each year. The increase and decreases noted below are due in part to the fluctuations in the cardboard market.

NUMBER OF CUBIC YARDS HAULED BY FRONT LOADERS (COMMERCIAL)

June	1972	12,900
	1973	13,261
	1974	13,106
	1975	14,536
	1976	14,501
	1977	16,959
	1978	17,108
	1979	18,708
	1980	18,953
	1981	18,332
	1982	18,564

FIGURE "IV"

Figure "V" shows the total tons hauled for the past four years for the month of June of each year.

NUMBER OF TONS HAULED

	Residential	Commercial
June 1979	1,238	1,007
1980	1,074	985
1981	1,214	1,067
1982	1,285.24	1,075.76

FIGURE "V"

Capital improvements added this year consists of 50 new refuse bins purchased for new accounts.

Disposal:

The disposal section of the Sanitation Division is responsible for operation of the City Landfill along the easterly terminus of East Main Street. This involves the spreading, compacting and covering of all refuse produced in the City, as well as all produced by residents adjacent to the City in San Luis Obispo and Santa Barbara Counties. This also includes estimating small pickup loads and collecting cash or issuing charge tickets for all loads dumping at the landfill. Some of the associated activities, are comprised of constructing and maintaining of the access road and erecting fences for the control of blowing paper.

No increases in dumping fees were instituted during the fiscal year.

The only capital improvement in 1981-82 was a chain link fence extension of 500' along Main Street.

Figure "VI" shows the acreage used through the fiscal years from 1965-66 to 1981-82. The variation from a normal increase each year starting in 1968-69 to present, is caused by the different types of land being used (reuse of the old dump versus clean land). The reduction in land used in 75-76, 76-77 and 81-82 was caused by raising the height of the finished fill higher than in previous years, in addition to the clean land now being used. Increased land useage generally is the result of not going above the levee height to make a contoured hill and increased use of the landfill by the public.

Approximately 161.09 acres of clean land is remaining for the existing landfill operation as of June 30, 1982.

Figure "VII" indicates the total number of tons received at the landfill for the various calendar years since operation of the scales commenced. These figures are reported on a quarterly basis to the Regional Water Control Board in compliance with Order No. 72-74 adopted October 12, 1972.

ACRES USED PER YEAR (F.Y.)

1965-66	3.76
1966-67	4.10
1967-68	5.53
1968-69	7.45
1969-70	5.00
1970-71	6.81
1971-72	8.20
1972-73	5.83
1973-74	6.70
1974-75	6.05
1975-76	4.96
1976-77	4.65
1977-78	5.37
1978-79	6.69
1979-80	9.89
1980-81	10.34
1981-82	6.67

FIGURE "VI"

Calendar Year	Tons
1977	68,519
1978	83,367
1979	85,800
1980	78,414
1981	98,224

FIGURE "VII"

SANITATION DIVISION
CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART

(EXISTING)

SUPERINTENDENT (1)
NOBLE
COLLECTION (.50) DISPOSAL (.50)

FIELD SUPERVISOR (1)
MIRANDA

FRONT LOADER OPERATOR (3)
ANAYA
LIMON
MADRANO

P.T. FRONT LOADER OPERATOR (1)
M.W. II + 5%
MERIOT 1/2

DISPOSAL
M.W. III (2)
BROWN
CHAVEZ
MERIOT 1/4

ACCT. CLERK (2)
KELLY
SOLEMAN
MERIOT 1/4

LABORERS
4160 HRS.

FIELD SUPERVISOR (1)
MONTES

COLLECTION CREW M.W. II (1)
LEMUS

COLLECTION CREW M.W. II (1)
KNAPH

COLLECTION CREW M.W. II (1)
CARRET

BIN MAINT. & CREW BACKUP
SANCHEZ (MW II)
MORENO (MW II

LABORERS
2700 HRS.

COLLECTION CREW M.W. II (2)
LOPEZ
TO

COLLECTION CREW M.W. II (2)
HERNANDEZ
HO ER

COLLECTION CREW M.W. II (1)
BROWN

STREET DIVISION

The Street Division is responsible for preventative and regular maintenance of the City streets with appurtenant facilities. This includes emergency maintenance or repair caused by accidents, weather conditions, settlement, or other unusual unexpected damage.

The Street Division is composed of 11 maintenance workers, 2 electricians, 1 electrical supervisor, 1 street maintenance supervisor and 1 street and sewer superintendent.

The degree and type of maintenance for each street or portion thereof in the total City street system is determined by the Street Superintendent taking into consideration traffic requirements and funds available.

High on the priority list is proper scheduling and planning of routine preventative maintenance procedures in order that any inconvenience to the public is kept to a minimum. Every effort is made to speedily correct hazardous conditions, which interfere with the flow of traffic, vehicular or pedestrian. Safety for the public is our number one consideration. The major maintenance activities conducted by the Street Division are as follows:

1. Travel-Way Maintenance:

    a. A/C Repair - Overlays - Chip Seal Coat
    b. Sweeping
    c. Concrete Improvement Repair
    d. Traffic Control
    e. Traffic Delineation
    f. Street Illumination and Electrical Maintenance

2. Wastewater Collection System Maintenance

3. Drainage Maintenance

4. Weed Abatement

1. TRAVELWAY MAINTENANCE

a. Travelway maintenance program during fiscal year 1981-82 consisted of placing 801 tons of either SC/800 or 85/100 asphaltic concrete on City streets in need of repair. This activity involves the repair of pot holes, water ditches,

sewer ditches and renovation of portions of streets in preparation for annual overlays and seal coat program.

b. The annual major street maintenance program consisted of placing 6,456 tons of A/C on 781,425 sq. ft. of streets for a cost of $172,050 and placing 1,763/276 tons of chip/oil binder on 2,020,568 sq. ft. of streets for a cost of $97,043 and adjustment replacement of survey monuments, lampholes, valve boxes and manholes for a cost of $13,620. The total program cost = $282,713.

c. Street Sweeping: City streets were swept on a weekly schedule with the business area on a daily basis. The 2 motorized sweepers were operational approximately 440 sweeper days out of 520 sweeper days. The 80 days the sweepers were not operating were due to service repair, operator's illness, inclement weather, holidays and comp time off. The two sweepers removed and hauled to the landfill 2,805 tons of material swept off the City streets; using 11 pickup brooms and 32 gutter brooms.

d. Concrete Improvement Maintenance: During fiscal year 1981-82, this activity was curtailed and only temporary repairs were accomplished on defective concrete improvements. During the latter part of fiscal year 1981-82 a 3 man crew was used to repair damaged sidewalk and 56 work orders were completed for a total of 6,915 sq. ft. Temporary repair of hazardous sidewalk complaints continues and are made within a very short period of time, and in most cases the same day, time providing. Presently, this division has approximately 329 known locations of tree root damaged concrete improvements.

3. Traffic Control: This program includes all work performed in signing as a traffic control device and placed on City streets for the purpose of warning, regulating or guiding traffic. The work may consist of the manufacture, purchasing, assembly and installation of new signs; replacement of existing damaged signs and the repair, cleaning and painting of signs. Signs are replaced or repaired when they become defective due to age, weathering, vandalism,

accidents or any other types of wear and tear. Following is a summary of this activity:

Type Signs	New or Reinstall Damaged	Reface Sign, Plate & Reinstall
Regulatory	172	200
Guide	159	53
Warning	54	73

Also, 99 barricades were constructed and 91 repaired for use by division crews during their normal work activities.

f. Pavement Delineation: The pavement delineation program involved all work necessary to maintain and replace traffic directional street markings. Work included layout, removal of old stripes, painting of new or existing stripes and limited parking zones. This required the use of 1,578 gallons of traffic paint, 2½ tons of beads, 160 gallons of lacquer and paint thinner.

g. Street Illumination & Electrical Maintenance: Street illumination is a major responsibility of this division and consists in the upkeep of 3,086 street lights and in addition includes electrical service as required by all departments and their subordinate divisions for new machines; either changes in electrical circuits or electrical repairs.

During this period there were 125 mercury vapor lights converted to low pressure sodium lights by this division. Total savings, without the sacrifice of illumination, was approximately $5,866. The conversion of street light illumination will continue until all the lights that can be converted are completed. Project completion year is 1982-83; including State Highways 101 & 166.

2. WASTEWATER COLLECTION SYSTEM

This activity consisted of immediate response to 141 main line sewer stoppage complaints. This is approximately .06% greater than 1980-81.

There was 45,780 lin. ft. of preventive wastewater collection system scheduled maintenance. The only areas that received continuous preventive maintenance were known problem areas.

3. DRAINAGE MAINTENANCE

There are 33,159 feet of underground drainage facilities now in existance and has effected a reduction of flooding at intersections on some of our major arterials and other streets. Since the system has been in existance relatively little maintenance has been necessary. However, in the future the maintenance of the underground drainage system will increase. The present cleaning operations include flushing of 110 intersection culverts, grading and weed control of 10 major drainage ditches; this work occurs twice annually with a 2 man crew and contract applications of chemical weed control at a cost of $540.28.

4. WEED ABATEMENT

The weed abatement program takes most of seven months to complete and is conducted in five phases:

I Mid-fiscal year for lot inspection
II Posting lots for chemical weed abatement
III Application of chemical weed control
IV Posting lots for weed abatement & debris removal, manually and/or with equipment
V Manual destruction of weeds and cleaning of lots. This phase will run into the following fiscal year.

All phases require the posting and compilation of cost records to assure proper billing for each lot; all of which is forwarded to the City Clerk for the filing of assessment against the property. The entire weed abatement program during fiscal year 1981-82 came to a total of $10,487.21.

5. STOWELL & SANTA MARIA TOWN CENTERS - PARKING LOTS W/LANDSCAPING

The Stowell and Santa Maria Town Centers landscaping and parking area maintenance is performed by private contractors under the administration of the Street Division. Review for compliance with bid specifications and administration of expenditures in accordance with the contracts are the primary responsibilities. Performance standards are determined by periodic inspections and notifying the contractor of any deficiencies. Two parking lots and the west corridor of the Santa Maria Town Center were seal coated; a total of 182,556 sq. ft. at a cost of $13,373.

The following graph depicts manhours required for various segments of the Street Division work; note the asterisk indicates the manhours used by the electrical crew only.

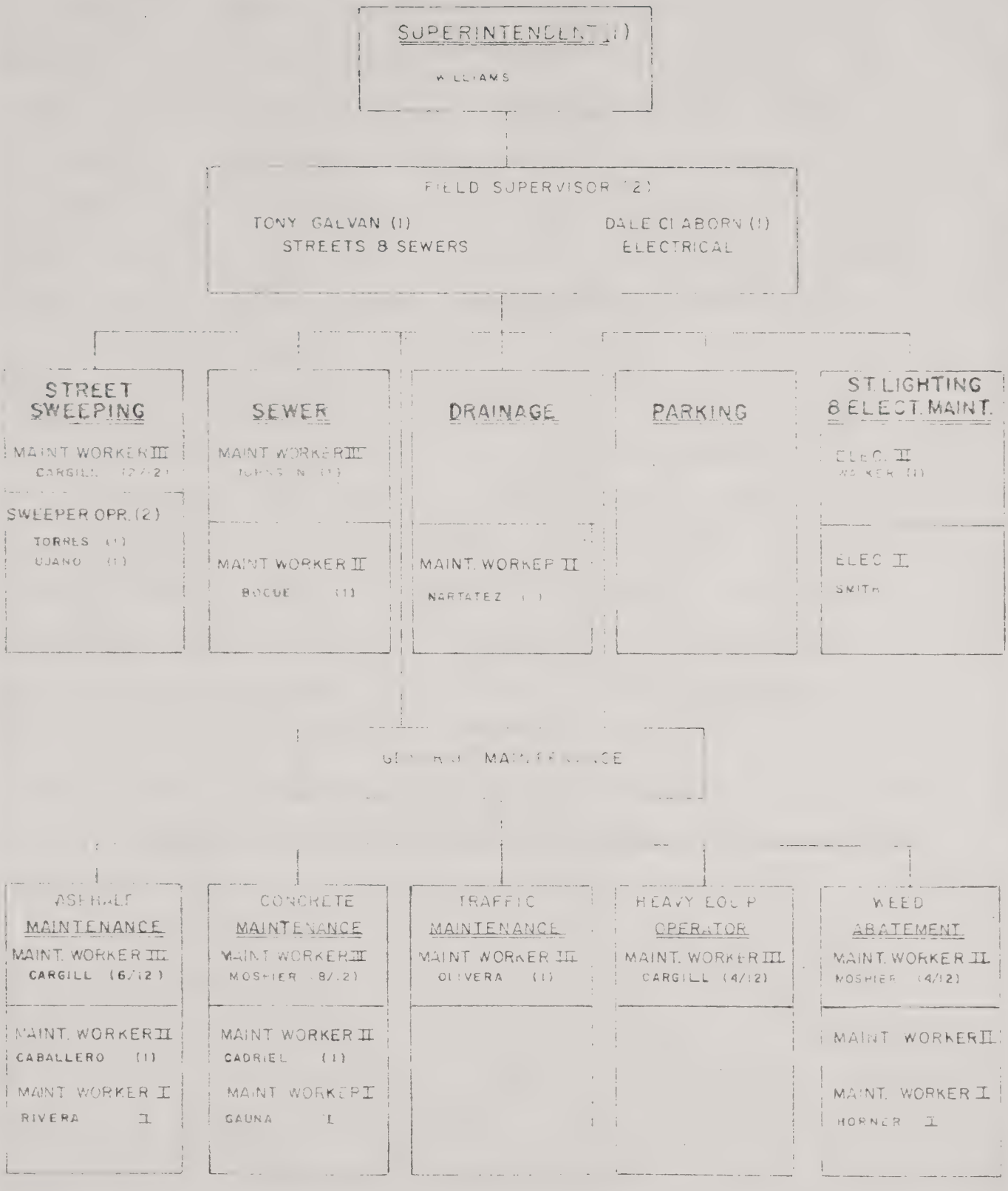
STREET DIVISION MANHOURS

ELECTRICAL ✳ JULY 1, 1981 TO JUNE 30, 1982

TYPE OF MAINTENANCE	HOURS	MAN HOURS UTILIZED PER OPERATION (THOUSAND HOURS) 0 1 2 3 4 5 6 7 8 9	% OF TOTAL
ACTIVITY			%
A C	4,611.0		12.67 %
PAINTING	2,639.0		7.25 %
SWEEPING	3,594.5		9.88 %
SEWERS	1,425.0		3.92 %
DRAINAGE	1,571.0		4.32 %
ALLEY	1,566.5		4.31 %
CONCRETE	2,577.0		7.08 %
SIGNS	1,358.5		3.73 %
BARRICADES	368.5		1.01 %
ST LIGHTS ✳	2,949.0		8.10 %
CITY HALL ✳	140.0		0.38 %
REC & PARKS ✳	446.0		1.23 %
FIRE ✳	373.0		1.03 %
POLICE ✳	84.5		0.23 %
MECH ✳	41.0		0.11 %
WATER ✳	263.5		0.73 %
PLANT ✳	74.5		0.20 %
MAINT ✳	269.0		0.74 %
LIBRARY ✳	117.0		0.32 %
BLD ✳	76.0		0.21 %
ELEC ✳	73.0		0.20 %
FEMALES	64.0		0.18 %
JURY DUTY	32.0		0.09 %
SNOW REMOVAL	64.0		0.18 %
ABSENT SICK	282.0		0.78 %
OVERLAY/CHIP	1247.0		3.43 %
TCM	41.0		1.14 %
OLD YARD	60.0		0.16 %
WEED ABAT. 81/82	1249.5		3.43 %
OTHER DEPT	80.0		0.22 %
ELECTRICAL	215.5		0.59 %
VACATION	2,128.0		5.85 %
SICK LEAVE	1,451.0		3.98 %
COMP TIME (-)	748.5		2.06 %
F. HOLIDAY	755.5		2.08 %
HOLIDAY	664.0		1.82 %
MISC.	310.0		0.85 %
REGULAR	34,492.0		0 %
COMP TIME (+)	532.5		0 %
P/T - SYC	1,373.0		0 %
TOTAL MAN HOURS 36,387.5			

STREET DIVISION

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART
(EXISTING)



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WASTEWATER TREATMENT PLANT

The Wastewater Treatment Plant is located on Black Road approximately 2.5 miles west of Santa Maria. Its purpose is to treat all domestic and industrial waste collected and conveyed by sewer system at a reasonable cost. The City of Santa Maria has treated and disposed of wastewater at the present site off Black Road since 1910. The City has just recently completed an $8 million dollar expansion. The new facilities are designed to serve a population of approximately 54,000. This includes capacity to treat over 2 MGD of flow from the City's industries. The new capacity of 7.8 MGD should be sufficient until mid-1988. The processes and structures have been master planned to facilitate an expansion that can be made at a nominal cost with minimum disruption of the operation. The treatment process removes almost 90% of the suspended solids (ss) and biochemical oxygen demand (BOD) contained in the wastewater. The land disposal system removes an additional percentage of these pollutants and a portion of the nutrients normally found in wastewater including nitrogen and phosphorus. The plant effluent is suitable for irrigation of permanent non-dairy pasture land and fodder crops. Digested sludge averaged 61% volatile reduction. This sludge is dried in earthen beds and can be used as a soil conditioner in the absence of root crops.

This past year the plant assisted the Research Triangle Institute of North Carolina in a study of home gardening use of sewage sludge. A sludge use form was filled out by the public and sent to the institute monthly.

The plant is maintained and operated by one Superintendent, one Plant Supervisor, one Laboratory Technician, one Source Control Inspector and five Operators. In September the Source Control Inspector position was filled along with one additional operator position. Ed Yeager retired after working 11½ years with the City as an Operator. Except for two trainees, all operators are currently certified in compliance with State Bill AB1961.

During the plant expansion, tours by students and other interested groups continued to be given on limited request. A total of 48 people toured the plant this fiscal year. Visitors are shown and told about the various components of wastewater treatment used at the plant. Generally the tours are concluded with a visit to the laboratory where a question and answer session is held

The following tests were performed in the wastewater treatment plant laboratory:

41 dissolved oxygen	4 chloride ion concentration
49 biochemical oxygen demand	3 phosphate ion concentration
51 total non-filtrable residue	4 sulfate ion concentration
50 grease and oil	4 nitrate
361 settleable solid	49 sludge samples for percent solids
360 pH	44 sludge volatile acid & alkalinity
359 electrical conductivity	4 total filtrable residue

Certain tests required by the State Water Quality Board were beyond the scope of the plant laboratory. For this reason, "Fruit Growers Laboratory" performed the tests under contract for the annual analysis (heavy metals, MBAS, phenols, polychlorinated byphenyls, and total chlorinated hydrocarbons), and a portion of the quarterly analysis (sodium, boron, and total nitrogen). The results of the above tests do aid in plant operation, and in some cases, reflect plant efficiency or indicate where more source control is needed. In addition to the above, BOD and Total Non-Filtrable Residue tests were performed on industrial waste discharges to the sewer system as necessary for wastewater strength determinations and charges as required under the wastewater ordinance.

Industrial Source Control - 1981-82

The process of issuing permits to and inspecting the grease and oil interceptors of the City's industrial wastewater dischargers has been the prime concern this past year. Surveillance and billing of Class IV users has been decreased with the loss of CBS Records and Piper Aircraft. Dalgety Food Plant #8 continues in the Class IV category. Proposed to Class IV status are Mission Linen Supply, Bonita Packing Co., Pentachem and Ramsey Labs Inc.; pending further examination.

Three renewals of pre-existing permits were issued. New permits were issued to 33 industrial dischargers. Permit applications have been sent to all Class III users of restaurants, car repair shops and machine shop codes. John Carollo Engineers have been hired to revise the sewer ordinance and to complete the pretreatment program for industrial discharges. The pretreatment program was a requirement of the E.P.A.

Capital improvements this fiscal year included a beep alert for the Source Control Inspector and drill press, welder, parts cleaner, photo tachometer and various hand tools. The only major maintenance operation this fiscal year was the repair of the sludge thickner which included new handrails, grating and epoxy injection of cracks in the laundry. Other repairs this fiscal year included repairing 2 lift station pumps, replacing bearings and belts on various pumps and replacement of a fluid level sensor at the Dejoy Lift Station. Preventive maintenance program has been minimal because most of the equipment is still under warranty from the plant expansion.

Revenues collected for vacuum truck and septic tank dumpings at the treatment plant amounted to $20,090; the year's total cost for plant operation was $505,950 which includes $103,290 for General Administration Services. During the fiscal year 1981-82, 1,515,720,000 gallons (4.2 MDG) of wastewater was treated at a maintenance and operations cost of $265 per million gallon (not including general administration)

Total flow is lower than the previous fiscal year because of the closing of Columbia Records and Piper Aircraft. The cost per million gallons is higher because of the decrease in flow and operations and maintenance costs the same as when operating at full capacity. The following table and graph show the comparative measurements over the past ten years.

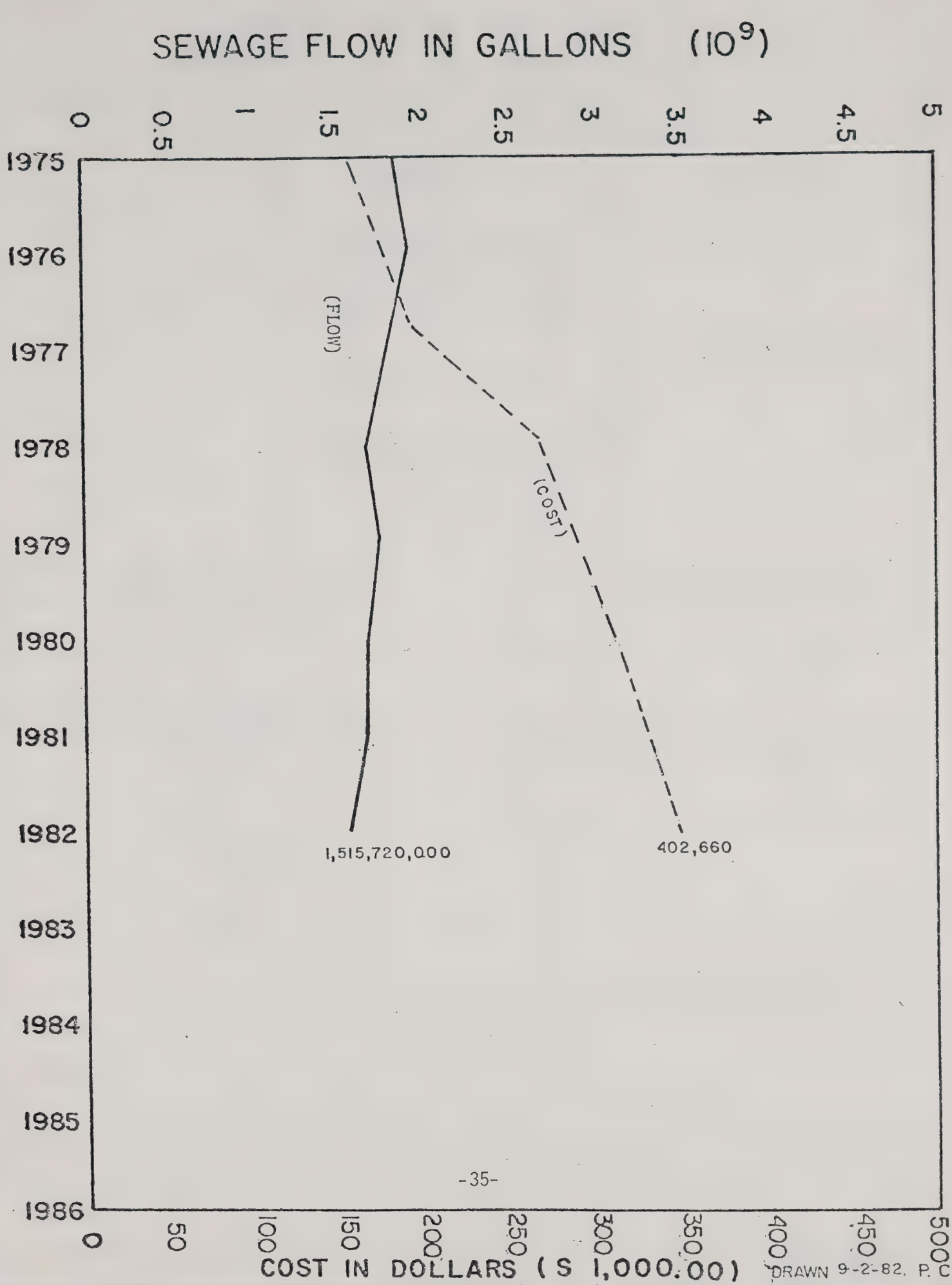
TREATMENT QUANTITIES & COSTS

Fiscal	Gallons Sewage Flow	Cost Treatment Per Million Gals.	Cost
1972-73	1,602,693,000	75.09	$120,340
1973-74	1,762,962,000	80.45	147,701
1974-75	1,814,920,000	97.95	177,779
1975-76	1,835,380,000	101.00	185,385
1976-77	1,746,560,000	113.94	199,000
1977-78	1,666,090,000	138.29	230,396
1978-79	1,727,600,000	136.59	235,973
1979-80	1,710,560,000	132.39	226,379
1980-81	1,653,000,000	190.65	315,143
1981-82	* 1,515,720,000	** 265.61	402,660

* 4,652 acre feet

** $86.56 per acre foot

w/Gen. Admin. $333.74/mg
108.76/af


SEWAGE FLOW IN GALLONS (10^9)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
(FLOW)
(COST)
1,515,720,000
402,660
0
50
100
150
200
250
300
350
400
450
500
COST IN DOLLARS ($ 1,000.00)
DRAWN 9-2-82. P.C.

WASTE WATER TREATMENT DIVISION

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

AUTHORIZED

DIRECTOR OF PUBLIC WORKS

ASST. DIRECTOR OF PUBLIC WORKS

SUPERINTENDENT
BEN MIDDLETON

WASTE WATER TREATMENT PLANT LAB TECHNICIAN (1)
D. BERNIER

WASTE WATER SOURCE CONTROL INSPECTOR (1)
B. LOE

FIELD SUPERVISOR (1)
R. JAKOBSON

WASTE WATER TREATMENT PLANT OPERATORS (5)

1. F. GUERRERO
* 2. T. LA MOREAUX
3. G. HERMAN
4. P. KARR
* 5. J. STEVENS

* WASTE WATER TREATMENT PLANT OPERATOR TRAINEE

MICROFILMED

WATER DIVISION

PRODUCTION

Sixty (60) water samples per month were collected throughout the system by the Water Division Personnel for bacteria analysis in compliance with the State Health standards. The analysis in all cases substantiated that the water system is clean. Also as required by State Health standards, tests were performed by the City Water Division on water samples for general minerals - heavy metals, radioactivity, turbidity, color, odor and temperature, all were well within the standards. Repairs were made on approximately ten well chlorinators which included six rebuilt chlorinator pumps. Technical maintenance was carried out on the automatic well control and pressure control system. The system includes telemetering and electronic components at a headquarters main control panel, a failure alarm system, a sub-panel and several remote stations. The water production capability is comprised of 10 water wells and are located within the Santa Maria Public Airport boundaries, with the exception of two, close to the center of the City. The wells furnished an average 7.4 million gallons per day to satisfy the customers' demands. The two ground level and two elevated reservoirs used in conjunction with the wells, have a total of 15.5 million gallons storage capacity. The new 7-million gallon reservoir has increased the "elevated" reservoir capacity to 13.0 million gallons. The combined well production and reservoir capacity must also supply the peak demands of 16 million gallons per day and allow at all times for a reserve fire flow supply. This all amounts to an annual total consumption of approximately 2.8 billion gallons.

DISTRIBUTION

The water distribution section is responsible for transmitting water from the well source to the people. This service is provided to over 11,926 accounts through a water line system which is approximately 215.51 miles long. This section also provides the meter reading function, water billing and collection services,

installation of service lines, meter maintenance and maintains all water distribution facilities in their entirety. The income from all water sold this fiscal year is shown on following graph. Totals of various water division functions during the fiscal year 1981-82 are listed as follows:

	FUNCTION	NO. COMPLETED
1.	Water meter readings	71,484
2.	Water service turn-ons	1,916
3.	Water service turn-offs	1,813
4.	Collection (delinquent bills)	1,408
5.	Water meter re-reads	2,314
6.	Miscellaneous service calls	1,126
7.	New service line and taps installed	275
8.	Water meters installed	828
9.	Water meters removed	590
10.	Water meters repaired in shop	459
11.	Water meters repaired in field	3,131
12.	Renovation of water meter locations	2,866
13.	Ball valves installed	829
14.	Water meter vaults installed & replaced	445
15.	Water line leaks repaired	148
16.	Flushing dead-end stations	270
17.	Flushing fire hydrants	245
18.	Fire hydrant repairs, painting & maintenance	215
19.	Main line gate valves operated	1,203

WATER QUALITY

Ongoing monitoring and testing of the City's water system is to assure that the water is of good quality and within the allowable limits of the State Department of Public Health.

1. Chlorination of the source water is applied at each well which carries the chlorine throughout the system and thus a 0.1 p.p.m. residual of free chlorine is maintained in the extremities of the distribution system. This minimum amount of free chlorine is a positive indicator that any pathogenic material that may have entered the system will be killed off by the chlorine exposure.

2. Bacteriological monitoring is accomplished by collecting a minimum of 14 water samples weekly at various locations in the distribution system and tested in the County Health Department Laboratory in Santa Barbara. Again this year, the excellent and continuing bacteriological free record of the City water system can be attributed to chlorination, flushing of dead-end lines and fire hydrants, and an effective cross connection control program.

3. Ground water source sampling is made on an annual basis for a chemical analysis of each well. These tests show any changes in the water quality relating to mineral content. The average hardness content this past year was 453 p.p.m. or 26.5 grains per gallon.

4. Heavy metal analysis of each well source is tested every three years to ascertain that the water is less than the maximum allowed by the United States Public Health Standards and the State of California Department of Public Health requirements for drinking water. Consistantly the water has been within these limits.

THE CROSS CONNECTION CONTROL PROGRAM is primarily a procedure to protect the public water supply from potential sources of contamination. This refers to any connection that could permit toxic or pathegenic material, or materials objectionable to taste or odor, from entering the public water system.

During the past year the following quantities of "backglow prevention" items of work were performed.

ITEM	NO. COMPLETED
Installed	34
Replaced	5
Repaired	1
Tested	0
Installation Inspection	33
Survey Inspection	280
Informational Services	413
Conferences	240
Correspondence Reports	704

The following graph is a plot of annual revenue, costs, and amount of water production. The cost per acre foot reflects costs of operation and maintenance of the system, overhead, plus repair or replacement of deficiencies in the existing system. No new capital outlay costs or bond service is included in the cost per acre foot.

Capital improvements completed or contracts awarded in conjunction with other names projects for 1981-82 fiscal year, consisted of six major projects as follows:

INSTALLATION OF WATER LINES

1.	Install 6" water line in Cypress from College to Concepcion	$15,685
2.	Install 6" water line in alley north of El Camino from Miller to East Avenue	$38,172
3.	Install 6" water line in alley north of Tunnell from Miller Street to East Avenue	$48,568

4. Install 6" water line in alley north of Hermosa from Miller Street to East Avenue $40,481

5. Install 6" water line in Camino Colegio from Broadway to Miller Street $18,882

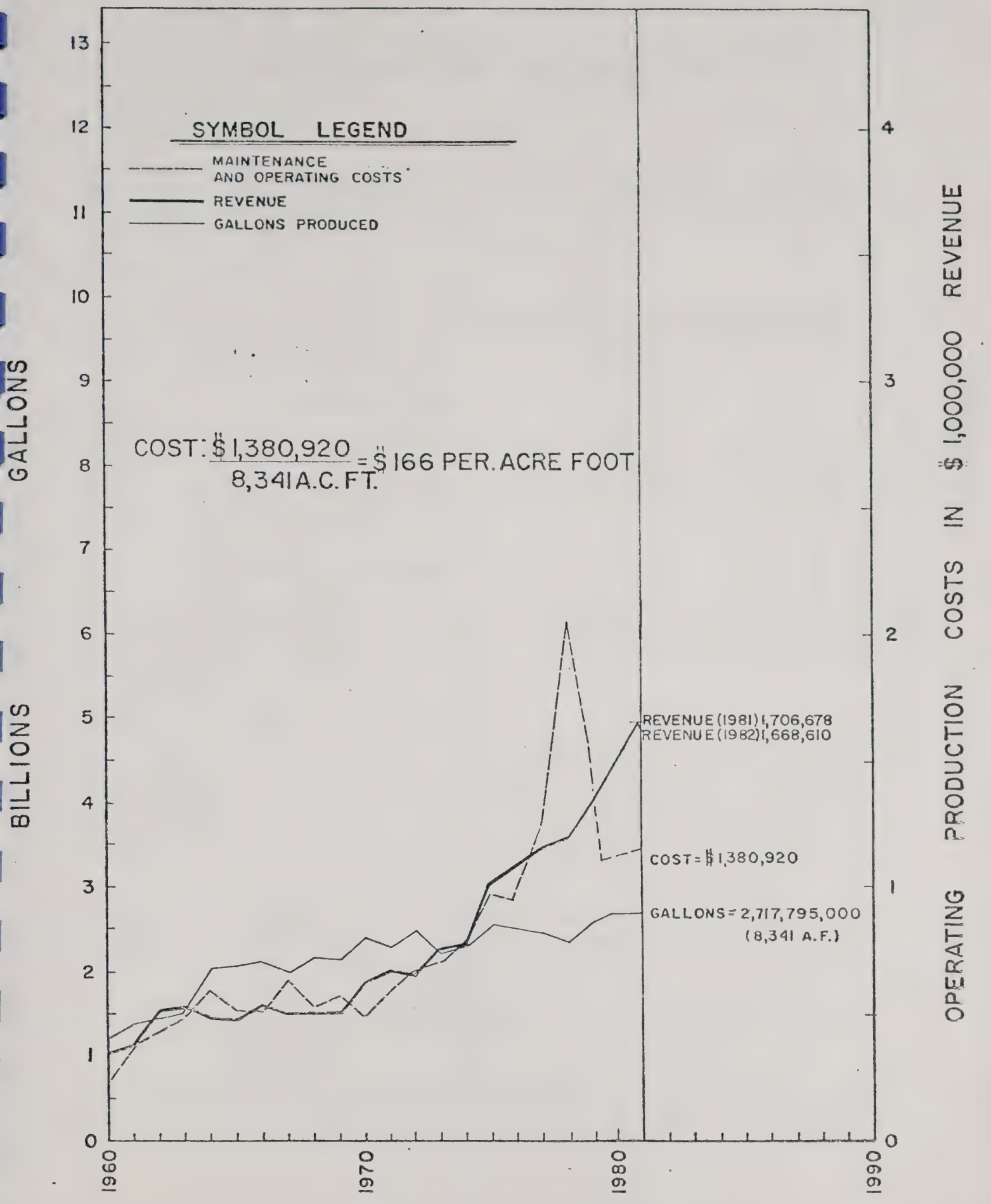
6. Install 6" water line in Camino Colegio from Miller Street to Oakwood $32,768

The continuation of the present level of service to the public during the budget year of 1982-84 caused the purchase of equipment and replacement as follows:

1. New water meters $127,580

ANNUAL~WATER PRODUCTION

DELIVERED COSTS, SALES REVENUE



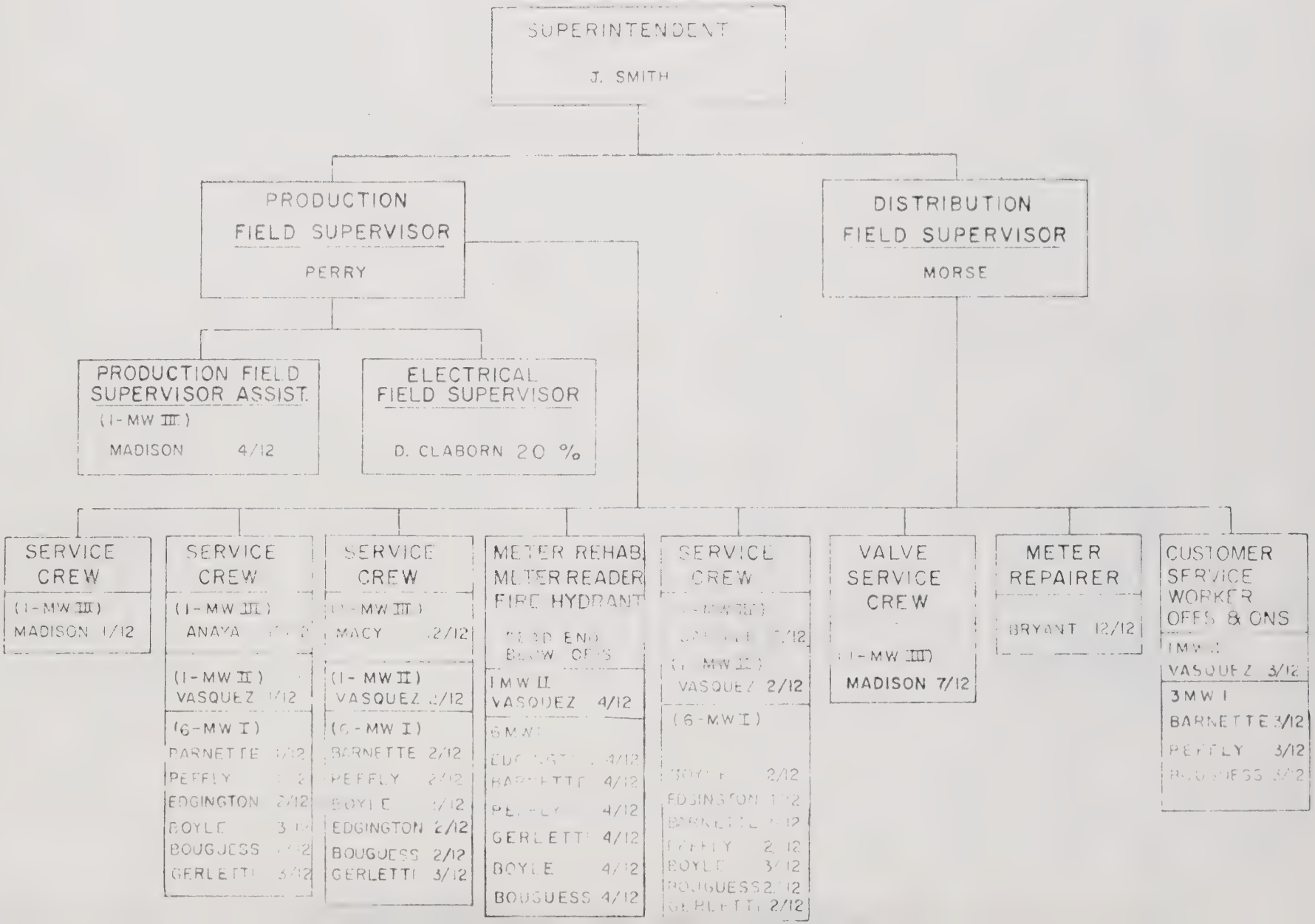
REDRAWN 8-30-82 P.J.C.

WATER DIVISION

PUBLIC WORKS DEPARTMENT

ORGANIZATION CHART

EXISTING



ENGINEERING, OPERATIONS & ADMINISTRATIVE STUDIES

Standard Specifications & Standard Drawings

The standard specifications and drawings are available through this office and have been updated and revised through this year. These specifications and drawings indicate typical approved methods and materials for all types of Public Works construction.

Microfilm & Indexing System

On a continuing basis, all drawings, maps, specifications and photographs produced during the year are microfilmed, mounted on aperture cards and filed with all other documents and records.

Four Year Capital Improvement Program

Along with each of the other City departments, the Public Works Department developed recommendations for capital improvements deemed desirable over the next four years. This information, after coordination with other departments and comparison with our financing capabilities by the Administrator's office, resulted in the separate published capital improvement program.

Engineering Division Forms and Checklists

The Engineering Division has developed standardized forms to aid in the consideration and evaluation of subdivision maps and public improvement drawings. These standardized forms are evaluated and revised on a continuing basis throughout the year.

Santa Maria Area Transit (SMAT) Service

For fiscal year 1980-81, the City Council approved the extension of Santa Maria Area Transit, for the bus transportation service subsidized by State Transportation Development Act (TDA) monies from the City of Santa Maria, County of Santa Barbara and City of Guadalupe. This service continues to be operated by the non-profit corporation, SMOOTH, by contract with the City of Santa Maria using equipment owned and maintained by the City.

Presently, the fleet consists of seven vehicles with two on demand response and two on fixed route #1 and two on the new fixed route #2 initiated in September 1981 within the City limits along with one for backup. Service is provided to the unincorporated area around Orcutt plus to the City of Guadalupe.

Along with the new fixed route, the service hours were increased to 7 a.m. to 7 p.m. plus eight hours on Saturday. The new fixed route #2 was started on a half hour headway and fixed route #1 remains on an hour headway.

A very productive publicity program was started to increase the exposure of SMAT and was proven by after surveys conducted by the Area Planning Council. To add identity and exposure, bus stops with signs were intalled at 80 locations along with benches at selected locations.

North Broadway 2-Way Left Turn Lane

The Traffic Committee continued its study of North Broadway, from Fesler Street to Donovan Road in order to reduce the high accident history. After reviewing all the pertinent traffic data, the Committee agreed that the most effective solution was to create a two-way left turn lane and eliminate on-street parking. Property owners were advised and asked for their comments. A second mailing advised them of an evening meeting and only three property owners were present. These property owners objected to the loss of parking and made alternate solutions. A letter reviewing the suggestions and a parking survey of the concerned auto dealers was sent to the property owners who made the most suggestions. After no further responses were received the Committee agreed to proceed with the two-way left turn proposal for Planning Commission approval.

Westside Redevelopment

Phase I of the Westside Redevelopment is a program to improve the four block area bounded by Pine, Chapel, Broadway and Church Streets. As soon as 60% of the property owners in a block have agreed to rehabilitate their buildings, the City would proceed to develop parking facilities on land acquired by the Redevelopment Agency. The architectural firm of Kerr, Hall, Hurley & Deutsch has been retained by the Redevelopment Agency to design the parking lots with construction contract administration being handled by the Public Works Department. Activity to date includes:

1. Construction completed approximately 2 years ago on lot at the southeast corner of Pine and Chapel.

2. Construction of 2 lots in the vicinity of Church and Lincoln will be completed in 1982.

Phase II covers a four block area bounded by Pine, Church, Broadway and Cook Streets, with future improvements including a major department store connected to the existing Town Center Mall by a 95' wide pedestrian bridgeway over Broadway, which would also contain retail floor space.

Future Wastewater Treatment & Disposal Expansions

The firm of John Carollo Engineers was retained to prepare this study in early 1982 as a result of growth information published in the Area Planning Council's "Forecast '81" for the period 1980-1990. The basic conclusion was that the existing treatment and disposal capacity (created by Clean Water Grant Projects in 1980-82) is sufficient only for the City's existing service area and zoning. Approval of future annexations and/or density increases will impact the existing treatment and disposal capacity.

Existing & Future Wastewater Facilities

Year	Average Annual Flow	Maximum Monthly Flow
Prior Phase I Completion	5.0 MGD	---
Ex. Flow Prior Phase I Completion	4.8 "	---
Phase I (Completed 1982)	6.5 "	7.8 MDG
Phase II (Needed by 1988)	8.7 "	10.0 "
Phase III (Needed by 2004)	9.7 "	11.0 "

The flows generated by annexation or density increases will be charged as "flow surcharge" at the time of approval by the City. This will not, however, have any impact on sewer connection fees for these projects which are due and payable at the time of building permit issuance. This "flow surcharge" will be periodically reviewed as connection fees are in regards to construction costs.

Resolution #82-419 adopting this study and its recommendations was adopted by the City Council on June 22, 1982.

APPENDIX B

Financial Information

NCTION	Overhead	F.Y. Operations	Capital Outlay	EXPENDITURES Bond Service	FUND SOURCE (S)	
MINISTRATION		117,680			General Water Refuse-Coll. Refuse-Disp. Sewer	86,730 14,200 8,450 2,910 5,390
ILDINGS		219,610	14,830		General Water Refuse-Coll. Refuse-Disp. Sewer	175,280 27,140 16,150 5,560 10,310
GINEERING		347,390	1,760		General Water Refuse-Coll. Refuse-Disp. Sewer Gas Tax	247,020 44,100 26,250 9,030 16,750 6,000
REETS		1,196,000	445,230		General Gas Tax	854,550 786,680
WERS	17,160	90,660		15,080	Sewer	122,900
ASTEWATER	86,130	402,660	6,740		Sewer	495,530
N-COLLECTION	161,010	859,000	13,570		Refuse-Coll.	1,033,580
N-DISPOSAL	60,160	311,500	7,670	36,600	Refuse-Disp.	415,930
RAINAGE		28,710			General	28,710
TER	285,370	1,168,360	133,430	22,630	Water	1,609,790
CH. MAINT.		954,960	* 407,450		Equipment	1,362,410
ARKING DIST.		620			District	620
OWELL CENTER		8,420			Maint. District	8,420
RKING AUTH.		189,710			General	189,710
AT		267,470	99,510		General	366,980

NOTE: The above information should not be used as final audit figures, but are reasonably accurate for the purposes of this summary.

* This figure includes the annual equipment replacement expenditures, which is funded through the equipment pool rental program, for pieces of equipment eligible for replacement during this fiscal year.

PERSONNEL NOTES

The total permanent employees working in the Public Works Department during fiscal year July 1, 1981 to June 30, 1982 amounted to 91, which included all the divisions.

The number of positions vacated in the department as a result of employees that either retired or left the City for personal reasons consisted of the following:

3 - Maintenance Worker I	Joe Henry	Left City	12/24/81
	Wayne Horner	Left City	05/15/82
	Santiago Zacarias	Left City	01/30/82
1 - Maintenance Worker II	Ron Claborn	Left City	07/02/81
3 - Maintenance Worker III	Manuel Anaya	Retired	06/29/82
	Gordon Dutra	Left City	08/08/81
	Don Moshier	Medical Dis.	02/01/82
1 - Equipment Mechanic I	Jim Cox	Left City	04/17/82
2 - W.T.P. Operator	Robin Olson	Left City	01/09/82
	Ed Yeager	Retired	10/30/81
1 - Water Meter Repairer	Joe Feiner	Left City	08/07/81
1 - Account Clerk I	Lee Embry	Left City	12/18/81

The above constitutes a turnover rate of 13% for all employees who left for personal reasons.

Summer programs were provided and training was carried out for a total of six (6) Work Aides of primarily high school age young adults in the following areas:

3	-	Streets
2	-	Water
1	-	Mechanical Maintenance
6		TOTAL

Five (5) employees worked in the Public Works Department under the Neighborhood Youth Corps Program, which is financially supported by State funds to provide work experience and financial aid.

3	-	Streets
2	-	Mechanical Maintenance
5		TOTAL

EMPLOYEE ROSTER

DIRECTOR OF PUBLIC WORKS

Riddicugh, Reese

ADMINISTRATIVE DIVISION

PERSONNEL

Albright, Kathy
** *Halloran, Terry*
Holling, Wendy

ASSISTANT DIRECTOR OF PUBLIC WORKS

Sinn, Jeffrey

ENGINEERING DIVISION

PERSONNEL

Chandler, Phyllis
**Condiff, Teddy*
Kirkpatrick, Mike
Palato, Carman
Pantoja, Henry
Rios, Harold C. Jr.
Soares, Herbert
Ujano, Lorenzo
Wall, Robert
Zuspan, John

BUILDING DIVISION

SUPERINTENDENT

Anderson, Norman

PERSONNEL

***Almaguer, Tony*
***Harper, Kathryn*
Johnson, Roy
Marsh, Harold
***Rivera, Florante*
***Robinson, Robert*
Roth, Robert
***Salgado, Joe*
Stockton, Loy

WASTEWATER DIVISION

SUPERINTENDENT

Middleton, Ben

FIELD SUPERVISOR

Jakobson, Russell

PERSONNEL

Bernier, Dennie
Guerrero, Froyland
Herman, Gary
Karr, Paul
LaMoreaux, Tom
Loe, Brad
Stevens, John

STREETS & SEWERS DIVISION

SUPERINTENDENT

Williams, Bill

SUPERVISOR

Claborn, Dale (Elect.)
Galvan, Tony (Streets)

PERSONNEL

Bogue, Manning
Caballero, Richard
Cadriel, Agustin
Cargill, John
Horner, Wayne
Johnson, Robert
Moshier, Don
Nartatez, John
Olivera, Theodore
Smith, Ron
Torres, Jesse
Ujano, Robert
Velasquez, Dario
Walker, William

SANITATION DIVISION

SUPERINTENDENT

Noble, Bill

SUPERVISOR

Miranda, Pete (Disposal)
Montes, Albert (Collection)

PERSONNEL

Anaya, Ernest
Brown, Billy
Brown, Luis
Carrell, Bryan
Chavez, Michael
Coleman, Sheryl
Hernandez, Rudy
Holder, Phillip
Kelly, Bill
Knopf, Mike
Lemos, Jesse
Limon, Arthur
**Lopez, Benji*
Lopez, Silvestre
Medrano, Ron
**Merino, Chris*
Meriot, Francis
Moreno, Mark
Sanchez, Gregory
Soto, Percy
**Trevino, Rubin*
**Yante, Johnnie*

WATER DIVISION

SUPERINTENDENT

Smith, Jesse

SUPERVISOR

Morse, Carmel (Distribution)
Perry, Jim (Production)

PERSONNEL

Anaya, Manuel
Barnette, Ralph
Bauguess, Jay
Boyle, Bret
Bryant, Wayne
Cargill, Jim
Edgington, Rick
Gerletti, Marvin
Macy, Steve
Madison, Melvin
Peffly, Steve
Vasquez, Henry

MECHANICAL MAINTENANCE DIVISION

SUPERINTENDENT

Ramirez, Hank

SUPERVISOR

Merino, George

PERSONNEL

Azcarate, Larry
Bracamonte, Daniel
Corral, Charlie
Cox, Jim
Martin, Jerry
**Rust, Lydia*
**Uriarte, T.*
**Valdez, Richard*
Walters, Delbert
West, Millard
Williams, Larry
Wolf, Marcelino

** Part Time*

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